

Claims 1-50: Cancelled

Claim 51. A composite chemical barrier fabric, comprising:
a multiple layer, chemical barrier material having a first side and a second side; and
a durability barrier layer coated on at least one of said first or second side comprising a layer of a thermoplastic polyolefin elastomer having an inherent bonding affinity to the chemical barrier material, the resin having an ASTM D1238 melt flow rate 230/2.16g/10 min of about 0.45; an ASTM D793 density at 23 degrees Celsius g/cm³ of about 0.88; and an ASTM D1693 environmental stress-cracking resistance, hours of about >3,000;

wherein said composite chemical barrier fabric is vapor impermeable.

Claim 52. The composite chemical barrier fabric of Claim 51, wherein the resin is comprised substantially of polypropylene.

Claim 53. The composite chemical barrier fabric according to Claim 51, wherein the resin comprises polypropylene copolymers, polyethylene, or polyethylene copolymers.

Claim 54. The composite chemical barrier fabric according to Claim 51, wherein the resin is comprised of blends of polypropylene and polyethylene.

Claim 55. The composite chemical barrier fabric according to Claim 51, wherein the resin is comprised of a majority of polypropylene mixed with other thermoplastic olefin resins.

Claim 56. The composite chemical barrier fabric of claim 51, wherein the multiple layer chemical barrier material contains at least one stratum that comprises a material selected from the group consisting of polyvinylidene chloride, ethylene vinyl acetate, ethylene vinyl alcohol, nylon, polyvinyl alcohol, polyester, polytetrafluoroethylene, fluorinated ethylene propylene, polyvinylidene chloride copolymer, acrylic, acrylonitrile copolymer, ionomers, ethylene/methacrylate acid copolymer, polybutylene, metalized polyester, polypropylene, oriented polypropylene, and polyamide.

Claim 57. The composite chemical barrier fabric according to Claim 51, wherein the multiple layer, chemical barrier material has one or more exposed surfaces that comprises a material selected from the group consisting of polyethylene, ethylene ethyl acrylate, ethylene methyl acrylate, ethylene vinyl acetate, ethylene vinyl acetate copolymer, or polypropylene.

Claim 58. The composite chemical barrier fabric of Claim 57 wherein the thermoplastic polyolefin elastomer coating has a thickness greater than 1 mil.

Claim 59. The composite chemical barrier fabric of Claim 57 wherein the thermoplastic olefin coating has a thickness of between 1 mil and 10 mils.

Claim 60. The composite chemical barrier fabric of Claim 51 wherein the fabric is sealable using hot air welding.

Claim 61. The composite chemical barrier fabric of Claim 51, wherein the multiple layer, chemical barrier material has one or more exposed surfaces that comprises a material selected from the group consisting of polyolefin, polyolefin copolymers, ionomers, and ionomer copolymers.